IFoA_CAA_M0 Practice Questions

Shared by Vasquez on 12-11-2026

For More Free Questions and Preparation Resources

Check the Links on Last Page

Question 1

Question Type: MultipleChoice

A biased coin has the following probability distribution function:

P(heads) = 0.80

P(tails) = 0.20

The biased coin is tossed twice in succession.

Calculate the probability of tossing at least one tail.

Options:

A- 0.20
B- 0.36
C- 0.64
D- 0.80

Answer:

B

Question 2

Question Type: MultipleChoice

An individual purchases a share in a company at a price of 45. Six months later he sells the share for 39.

Calculate the percentage change in the value of the share over the six month period, correct to one decimal place.

Options:

A- -15.4%
B- -13.3%
C- 13.3%
D- 86.7%

Answer:

B

Question 3

Question Type: MultipleChoice

Calculate

$$\sum_{y=1}^{3}\sum_{x=1}^{5}(x^2 - 2x - 2y - y^2)$$

P2P exams

Options:

A- -245
B- -95
C- -55
D- 55

Answer:

C

Question 4

Question Type: MultipleChoice

P2P exams

Determinewhich of the statements is true about the root(s) of the following equation:

$$x^2 + \sqrt{2}x - 4 = 0$$

Options:

A- There is only one real root which takes a positive value.
B- There is only one real root which takes a negative value.
C- There are two real roots, r1and r2, where r1is positive and:r1 = - 0.5 r2
D- There are two real roots, r1 and r2, where r1is positive and:r1 = - 2 r2

Answer:

C

Question 5

Question Type: MultipleChoice

A and B are the stationary points of f(x).

f(x) = 2x3- x2- 8x + 8

A = (-1,13)

B = (4/3,8/27)

Determine whether each stationary point is a maximum, minimum or point of inflexion.

Options:

A- A is a maximumB is a minimum
B- A is a maximumB is a point of inflexion
C- A is a minimumB is a maximum
D- A is a point of inflexionB is a minimum

Answer:

A

Question 6

Question Type: MultipleChoice

One of the two solutions to the equation is .

$$\frac{1}{|2 - 7x|} = 3$$

Determine the second solution.

$$\frac{5}{21}$$

Options:

A- Option A

$\frac{5}{7}$

B- Option B

$\frac{5}{7}$

C- Option C

$\frac{5}{7}$

D- Option D

$\frac{5}{7}$

Answer:

C

Question 7

Question Type: MultipleChoice

Consider the vector U = (3, -1, 5).

Calculatethe magnitude of vector U to two decimal places.

Options:

A- 2.65
B- 5.92
C- 7.00
D- 9.00

Answer:

B

To Get Premium Files for IFoA_CAA_M0
Visit

https://www.p2pexams.com/products/ifoa_caa_m0

For More Free Questions Visit

https://www.p2pexams.com/ifoa/pdf/ifoa-caa-m0

